

Title (en)

WATERBORN COATING CONTAINING MICROCYLINDRICAL CONDUCTORS

Title (de)

MIKROZYLINDRISCHE LEITER ENTHALTENDE WÄSSRIGE BESCHICHTUNG

Title (fr)

REVETEMENT AQUEUX CONTENANT DES CONDUCTEURS MICROCYLINDRIQUES

Publication

EP 1765517 A4 20100908 (EN)

Application

EP 05758487 A 20050606

Priority

- US 2005019593 W 20050606
- US 86384804 A 20040604

Abstract (en)

[origin: US2005272846A1] A composition is provided having cylindrically shaped metal or metal-coated particles and a polymer latex dispersion. A coating is provided having cylindrically shaped metal or metal-coated particles and a polymer matrix formed from a latex dispersion. The particles form a continuous, conductive network. A method of electromagnetic shielding is provided having the steps of providing the above composition, applying the composition to a surface, and drying the applied composition.

IPC 8 full level

B05D 1/02 (2006.01); **B05D 5/00** (2006.01); **B05D 7/00** (2006.01); **C08K 3/08** (2006.01); **C08K 9/02** (2006.01)

CPC (source: EP US)

C08K 9/02 (2013.01 - EP US); **Y10T 428/249971** (2015.04 - EP US); **Y10T 428/249978** (2015.04 - EP US)

Citation (search report)

- [X] EP 0629549 A2 19941221 - INCO LTD [CA]
- [XI] US 4155896 A 19790522 - RENNIER DELMAR J [US], et al
- [Y] US 4826631 A 19890502 - SULLIVAN F RYAN [US]
- [Y] US 4538151 A 19850827 - HATAKEYAMA KENICHI [JP], et al
- [Y] US 4582661 A 19860415 - ITO HIROTAKA [JP], et al
- [A] US 5786785 A 19980728 - GINDRUP WAYNE LAVAL [US], et al
- See references of WO 2005118157A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2005272846 A1 20051208; US 7670651 B2 20100302; EP 1765517 A1 20070328; EP 1765517 A4 20100908; WO 2005118157 A1 20051215

DOCDB simple family (application)

US 86384804 A 20040604; EP 05758487 A 20050606; US 2005019593 W 20050606